

## Abstract of the Disclosure

The invention relates to a process for cyclic, interactive image analysis with the steps of selection by the user of image regions of interest in the image, performance of various preprogrammed transformations on the image at all image points, performance of a normalization of the transformation results, division of the whole normalized transformation space into classes with the aid of separation rules which are derived from the transformation result values in the image regions selected by the user, allocation of the classification obtained in the transformation space to the individual image points, and representation of the thus classified image in the image space.